

Installation and Conditioning Instructions

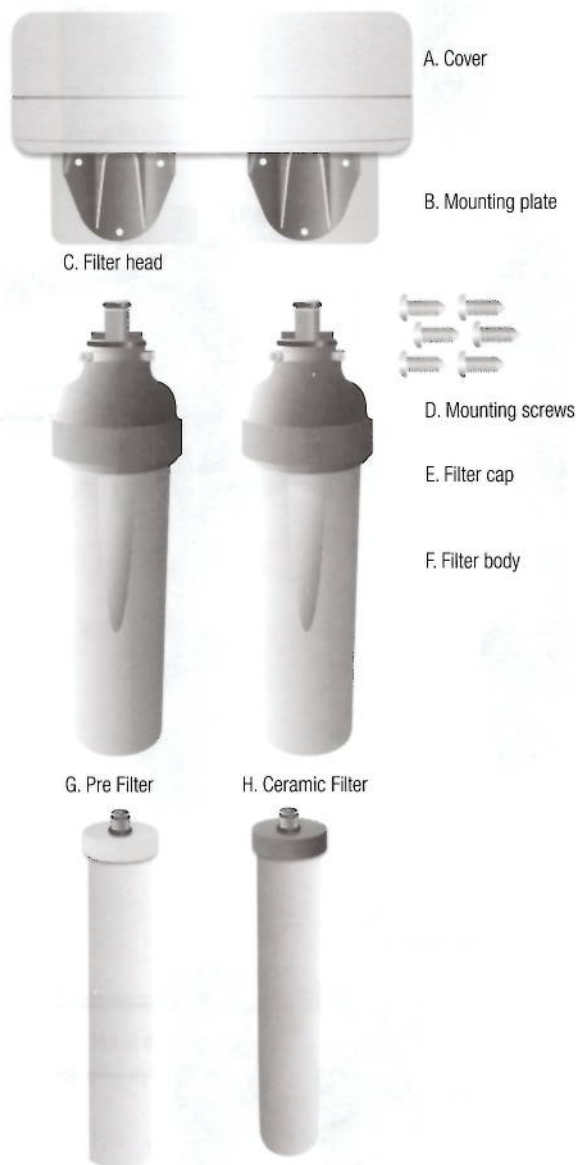
Filter Model No. FRCNSTR-DUO-1 & 2 Drinking Water Filters

Replacement Elements:

FRC09 - Sediment Pre filter Cartridge for LHS of FRCNSTR-DUO-1 & FRCNSTR-DUO-2

FRC06 - Ceramic Filter Cartridge for RHS of FRCNSTR-DUO-1

FRC07 - Ceramic Filter Cartridge for RHS of FRCNSTR-DUO-2



Parts included in your FRCNSTR-DUO-1 or 2

Filter Housing Comprising:

- | | |
|------------------------|-----------------------------|
| A. Cover | E. Filter Cap x 2 |
| B. Mounting Plate | F. Filter Body x 2 |
| C. Filter Head x 2 | G. Pre-Filter Cartridge |
| D. Mounting Screws x 6 | H. Ceramic Filter Cartridge |

Operating Conditions

***Maximum Working Pressure: 6bar (90psi) – This filter has satisfied the NSF/ANSI Stds 42 and 53 structural test criteria. However, due to the potential wide variations of pressures from one installation to another, the manufacturer advises that if there is any concern that the system would see pressures above 6 bar then an approved pressure reducing valve set at 6 bar should be installed upstream of the filter to eliminate any extreme variations of pressure, or continued high pressure.**

Rated Service Flow: 0.5 US gallons/min (1.9 litres/min)

Rated Capacity: 600 US gallons (2300 litres)

Maximum Working Pressure: 90 psig (6 bar)*

Maximum Working Temperature: 30°C (86° F)

Minimum Operating Pressure: 10 psig (0.69 bar)

Minimum Working Temperature: 5°C (41°F)

Systems tested for Cyst Reduction may be used on disinfected water that may contain filterable Cysts.

The substances reduced by this device are not necessarily in your water.

Do not use where water is microbiologically unsafe or of unknown quality without adequate disinfection before or after the systems:

PLEASE NOTE: State of Ma. Follow Mass plumbing code. A licensed plumber is required. It is important that local laws and regulations are observed and that all selected fittings comply with such regulations.

Systems tested for the reduction of:

FRCNSTR-DUO-1

Chlorine (taste & odour)
Particulate
Turbidity
Cysts
Lead

FRCNSTR-DUO-2

Chlorine (taste & odour)
Particulate
Turbidity
Cysts
Chloramine

Important

- This filter is intended for installation under the sink away from direct sunlight
- This filter is not designed for the treatment of hot water and should only be connected to the cold water supply
- Maximum plastic housing life: 10 years
- Water fittings for use in permanently pressurised systems have a finite life. It is important that the plastic components in the system are replaced after 10 years usage
- **PLEASE NOTE: Allowing the unit to freeze will invalidate the product warranty**

Select a Position for the Filter System

1. Select an upright position for the filter near to the incoming water supply and the tap/faucet.
2. Make sure that the filter is located so that the connecting pipework does not have any sharp bends in it.
3. For easy servicing of the filter there should be at least 4 inches (10cm) of clearance below the body of the filter to allow for removal/service of the filter elements.
4. The filter is supplied with 3/8" (inch) push fit connections.
5. Medium density polyethylene 3/8" tubing is recommended for connection.
PLEASE NOTE: Push fit connections are not recommended to be used with chromium plated tubes as they may slip out of the connection, potentially causing leakage.

Install the Filter System

6. Mark the required head position for fixing using the paper template supplied.

Figure 1a.

7. Grip the red filter caps (E) and twist to the 'unlock' position
8. Pull down to disengage the filter caps (E) from the heads (C) and put the filter caps (E) and filter bodies (F) to one side
9. Remove all packaging and fix the mounting plate (B) and filter heads (C) to the unit or wall with the 6 screws (D) provided

Figure 1b.

10. Unscrew the filter bodies (F) from the filter caps (E), open the filters and discard the protective bags from the pre filter cartridge (G) of the left hand housing and the ceramic filter cartridge (H) of the right hand housing

Figure 1c.

11. Check that the sealing 'o' rings are fitted onto the threads of the new cartridges, and screw the threaded pre filter cartridge (G) into the red filter cap (E) of the left hand housing until washer resistance is felt, repeat for the ceramic filter cartridge (H) for the right hand housing—do not over tighten
12. Screw the white filter bodies (F) into the red filter caps (E) until a positive stop is felt

Figure 1d

13. Align the arrow on the red filter cap (E) of the assembled pre filter cartridge to the unlock position on the left hand filter head (C) and push the assembled filter firmly into the head until it clicks into position. Repeat this for the assembled ceramic filter cartridge into the right hand filter head

14. Twist the red filter cap (E) of the assembled pre filter cartridge until the arrow is aligned with the locked position on the left hand filter head (C). Check that the arrows align to ensure that the filter is fully locked. Repeat this for the assembled ceramic filter cartridge into the right hand filter head

Note: It is important that pre filter and ceramic cartridges are fitted in the correct locations; the pre filter in the left hand housing and the ceramic filter on the right

15. Be sure to follow the instructions provided with your Franke Point-of-use faucet during installation of that item. Only 3/8" tubing should be used to connect the faucet and filter.

Note: Franke brand dispensing faucet must be used for warranty purposes. Use of any product not of the Franke brand will invalidate the product warranty

16. Shut off the main water supply and connect the upstream and downstream pipework to the filter. Ensure that the arrows on the inlet and outlet of the head are showing the correct direction of flow and that tubing is pushed into the push fittings to a minimum of 0.75" (18mm) depth. See fig 2

Figure 1a

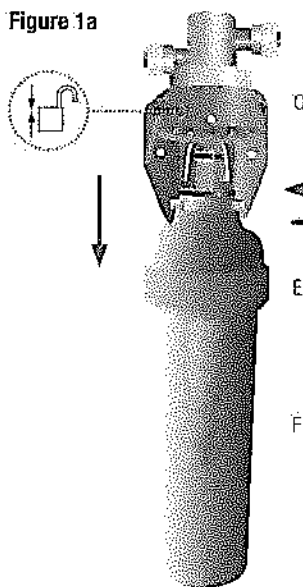


Figure 1b

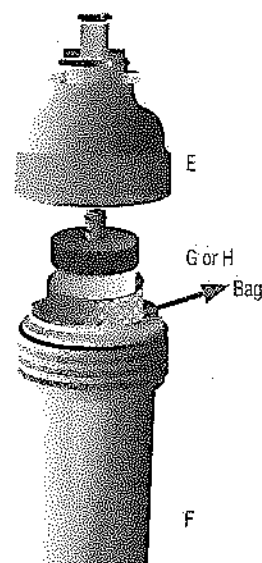


Figure 1c

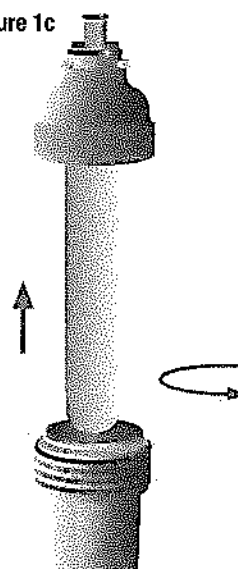


Figure 1d

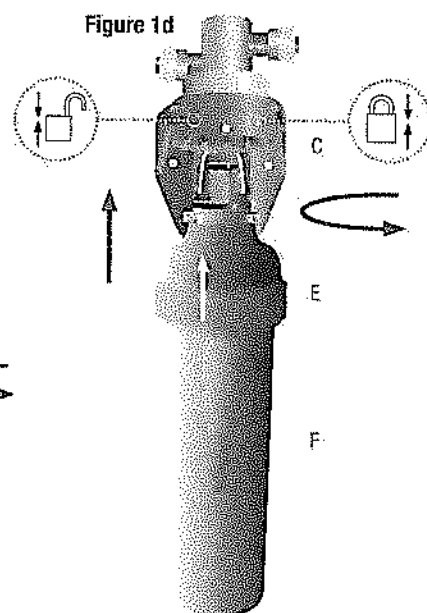
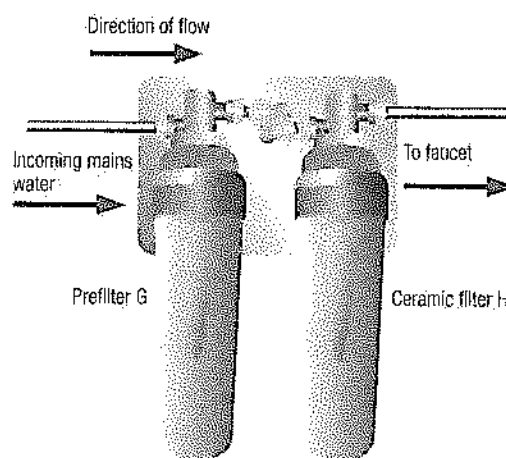


Figure 2



PLEASE NOTE: Before inserting the tubing into the push fittings, ensure the ends of the tubing are cut square and free of burrs, both inside and outside. Ensure there are no gouges, scratches or any other form of damage within 1" (25.4mm) from the cut end of the tubing. Damage in this area can cause leakage.

DO NOT use tools on or modify the push fitting connections as this could damage the connection resulting in leaks and will invalidate the product warranty. The push fittings should be installed by hand, just press the tubing firmly into the fitting until it stops. The tubing can also be removed by hand by pressing the collet on the push fitting to release the hold on the tubing, and gently pulling the tubing out of the push fitting.

DO NOT use any thread sealant, plumbers putty, glue, other adhesive agents or chemicals on the push fittings. This can damage the 'o' rings inside the push fittings and can cause leakage. Any foreign substances used on the push fittings will invalidate the product warranty.

Conditioning the Filter System

17. With the tap/faucet in the on position, gradually turn the main water supply on until the flow from the tap has stabilized.
18. Close the tap/faucet and ensure that there is no water leaking from the system joints.
19. When the system has been confirmed watertight, open the tap/faucet and allow the water to run for a minimum of 10 minutes. When water first comes out, it is normal for some grey dust to be flushed from the filter.
20. Clip the cover (A) over the heads and wipe the system clean with a damp cloth.
21. Allow the filter to stand for 24 hours to condition the filter to the source water and then flush for a further 10 minutes. The filter is now ready for use and the filtered water can be used for drinking and preparing food.

Replacing the Filter/Water treatment cartridge

22. Once the pre filter and ceramic filter cartridges have been used to the specified capacity, they need to be replaced. The pre filter may need replacing more frequently depending on the water quality.
23. Note: If the filter has had little use prior to servicing, twist the filter cap (E) to the 'V' vent position and open the user faucet (to relieve pressure in the housing), leave faucet in the open position until housing is removed.
24. For both housings — Place a bowl under the filter body, grab the filter cap (E) and twist counter clockwise to the 'unlock' position (the water supply is automatically shut off when in the 'unlock' position) and pull down to disengage the filter body from the head (C). Empty the water in the filter body into the bowl.
25. Unscrew the filter cap (E) from the body (F) and then unscrew the cartridge from the filter cap and wrap in a plastic bag or newspaper for disposal with your household waste.
26. Replace and condition both the pre filter/ceramic filter cartridges as described in 'Conditioning the filter system'. It is important to wash your hands thoroughly after servicing the filter.

When Leaving on Vacation and to Winterize the Unit

If you plan to be away from home for extended periods, or the filter housing may be subject to the risk of freezing, shut off the main water supply then carry out stages 23 & 24 and then stages 13 & 14. When the risk of freezing subsides and you wish to use the system again carry out stages 17-19.

PLEASE NOTE: Allowing the unit to freeze will invalidate the product warranty. For full warranty information please visit www.frankeksd.com

Parts and Service Availability:

Only genuine Franke replacement cartridges are designed to be compatible with this product. Using or attempting to use any replacement cartridge not branded Franke could cause damage to the product and will immediately void the product warranty. For sales, service and replacement parts please contact your local Franke distributor.

Cleaning the System

To clean your housing, wipe externally with a warm damp cloth. The following substances should be avoided:

- Strong oxidizing agents such as bleach or Milton solution
- All strongly acidic materials including some descalents
- Strong alkaline materials

Manufactured by Fairey Industrial Ceramics Limited for:



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